

UNITED STATES DISTRICT COURT
WESTERN DISTRICT OF WASHINGTON
AT TACOMA

UNITED STATES OF AMERICA,)	No. CR20-5270RJB
)	
Plaintiff,)	
)	
v.)	REPLY TO GOVERNMENT’S
)	RESPONSE (DKT. 57) TO MOTION
)	TO DISMISS
RICHARD MARSCHALL,)	
)	
Defendant.)	

The government essentially claims, in its response, that the Dietary Health and Education Act (DSHEA) of 1994 has no effect or impact in Mr. Marschall's case. The government applied a similar approach with its presentation to the grand jury when it secured an indictment in this case. Since the filing of this motion to dismiss (Dkt. 45), the government has disclosed a copy of the grand jury transcripts and a copy of an exhibit presented to the grand jury in support of the indictment to Mr. Marschall. (Dkt. 60), (Grand Jury Transcript *under seal*). As revealed by grand juror questions, the grand jury was never legally instructed as to the applicability of the DSHEA to this case:

REPLY TO GOVERNMENT’S
RESPONSE TO MOTION TO DISMISS
(*United States v. Marshall*; CR20-5270RJB) - 1

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1 A. It's really in the labeling as well, the intended use behind the labeling.
2 The initial label that is on the bottles does not state that it cures COVID or
3 anything along that line, but the additional document that Mr. Marschall
4 provided with the – with the products, stating that it treats COVID, cures
5 COVID, many other viruses and bacterias and infections, that right there
6 is -- constitutes as labeling for the products. So when these articles are
7 supposed to treat, cure, mitigate, or prevent a type of disease, they are
8 now drugs. And then since COVID can't be self-diagnosed or self-treated,
9 that makes it – a prescription drug is needed in order to cure that specific
10 disease...

11 GRAND JUROR: I guess I'm also a little confused by the prescription
12 aspect. There are -- there are conditions that I can't diagnose myself but I
13 can treat with over-the-counter products. How does the FDCA definition
14 of prescription drugs differentiate those?

15 THE WITNESS: Prescription drugs would be a little bit different than a
16 drug. You could have over-the-counter drugs that are considered like
17 cough suppressants, Advil, those type of things, even allergy medications
18 that you can go pick up and that are over the counter that are considered
19 drugs. The other ones, as far as when it's trying to do any of these specific
20 things: cure, treat, prevent, mitigate for a particular disease such as
21 COVID, those then are to be under the supervision of a physician, and
22 then they would provide a prescription for that.

23 *Id.*, p. 14, 16-17.

24 It is important to remember the undisputed facts: the items shipped by Mr.
25 Marschall were in fact dietary supplements; the items contained foods which have
26 been deemed safe for human consumption by the FDA; and the government is not
claiming that Mr. Marschall made false or misleading claims as to the Dynamic Duo's
ability to prevent disease or promote health.

It is perfectly legal for Mr. Marschall to sell Allimax Pro (Allimed) and IAG
arabinogalactans because they are both supplements that have been deemed safe for
human consumption by the FDA. *See* 21 C.F.R. § 172.610 and 21 C.F.R. § 184.1317.
It is perfectly legal for the manufacturers of these products to manufacture and
introduce these items into interstate commerce.

1 The government has initiated proceedings against Mr. Marschall under the
 2 wrong legal provision. 21 U.S.C. § 331 (Misbranded Drugs). Because this case
 3 involves foods, the applicable law is the misbranded foods provision. 21 U.S. Code
 4 § 343 (Misbranded Foods). For these reasons, reasons set out below, and reasons set
 5 out in his opening motion, Mr. Marschall respectfully asks that the Court dismiss the
 6 indictment pursuant to Federal Rule of Criminal Procedure 12(b)(3)(B)(v).

7 **II. Mr. Marschall is not asking this Court to make a factual**
 8 **determination but rather a legal determination as to whether**
 9 **supplements that fall under the DSHEA or are a “food” under the**
 10 **Food, Drug, and Cosmetic Act (FDCA) that can transform into a**
 11 **“drug” based on a set of facts that are not disputed by the**
 12 **government.**

13 **A. A pretrial motion under Rule 12(b) is appropriate.**

14 A district court's interpretation of a statute is a *de novo* determination, *United*
 15 *States v. Wilson*, 720 F.2d 608, 609 n.2 (9th Cir. 1983), as is a court's determination of
 16 the elements of an offense. *United States v. Douglass*, 780 F.2d 1472, 1475 (9th Cir.
 17 1986).

18 Rule 12(b) permits consideration of any defense “which is capable of
 19 determination without the trial of the general issue.” Fed. R. Crim. P. 12(b). A motion
 20 to dismiss is generally “capable of determination” before trial “if it involves questions
 21 of law rather than fact.” *United States v. Shortt Accountancy Corp.*, 785 F.2d 1448,
 22 1452 (9th Cir. 1986), *cert. denied*, 478 U.S. 1007 (1986). Although a court may make
 23 preliminary findings of fact necessary to decide the legal questions presented by the
 24 motion, it may not “invade the province of the ultimate finder of fact.” *Id.* at 1452; *also*
 25 *see United States v. Webb*, 166 F.Supp.3d 1198 (W.D. Wash. 2016) (dismiss Armed
 26 Career Criminal Allegation under Rule 12(b))(Lasnik, J.); *United States v. Casey*, 2020
 WL 1940446 (W.D. Wash. 2020) (dismissing a count under Rule 12(b) after
 determining that a prior is not a habitual offense under 18 U.S.C. § 117(a)) (Jones, J.);

1 *United States v. Turner*, 2007 WL 1300462 *4 (W.D. Wash. 2007) (Coughenour, J.)
 2 (“Where a possible...error can be avoided pre-trial, this Court finds that it ought to be,
 3 even if the Government would present the same evidence either way.”); *United States v.*
 4 *Thompson*, 202 F. Supp. 503 (N.D.Cal.1962) (dismissing an indictment under Rule
 5 12(b) after determining that a sawed-off shotgun without a firing pin was not a firearm
 6 within the National Firearms Act.); *United States v. Kaplan*, 836 F.3d 1199, 1216 (9th
 7 Cir. 2016) (suggesting that an indictment under 21 U.S.C. § 333(a)(2) that fails to
 8 allege materiality may be subject to dismissal in a pretrial motion).

9 The issue of whether the products shipped by Mr. Marschall to the undercover
 10 agent can be prosecuted as drugs under the FDA is purely a legal question that does not
 11 require preliminary findings of fact because none of the facts are disputed by the
 12 government. Mr. Marschall has presented detailed facts to this Court in two separate
 13 motions to dismiss. Dkt. 44 at 2-12 (Motion to Dismiss Indictment); Dkt. 45 at 1-3
 14 (Motion to Dismiss Indictment). In both motions, he stated that “(i)f the government
 15 disputes any facts, it should specifically identify them for the purposes of an evidentiary
 16 hearing.” Dkt. 44 at 2, fn. 2; Dkt. 45 at 1, fn. 1. In both responses, the government did
 17 not dispute any facts and stated that “(t)he motion to dismiss does not require an
 18 evidentiary hearing,” Dkt. 56 at 2, fn. 2 (Government Response), Dkt. 57 at 2
 19 (Government Response) (“An evidentiary hearing is not required.”).

20 It would promote judicial economy to resolve this issue at this time because a
 21 legal determination in Mr. Marschall’s favor would avoid the need for a trial. Given the
 22 COVID-19 outbreak and the current general order which prohibits trials at the
 23 courthouse, General Order No. 13-20, it would promote judicial economy to dismiss a
 24 count "which is capable of determination without the trial of the general issue," Fed. R.
 25 Crim. P. 12(b), because it would limit the number of people who would have to appear
 26 at Court. A pretrial motion under Rule 12(b) is appropriate under the circumstances.

B. The Government’s claims about the DSHEA lack necessary context and an analysis of both the statutory text and purpose of DSHEA clearly demonstrates that the government cannot prosecute Mr. Marschall for selling dietary supplements.

1. The Text, Purpose, and Applicability of the DSHEA

When interpreting a statute, the starting point is always the language of the statute itself. *Am. Tobacco Co. v. Patterson*, 456 U.S. 63, 68 (1982). Courts presume that Congress expressed its legislative intent through the ordinary meaning of the words it chose to use. *Perrin v. United States*, 444 U.S. 37, 42 (1979); *Richards v. United States*, 369 U.S. 1, 9 (1962). Legislative history may be a useful tool for statutory interpretation when it represents “the considered and collective understanding of those Congressmen involved in drafting and studying proposed legislation.” *Zuber v. Allen*, 396 U.S. 168, 186 (1969).

a. Legislative findings of the DSHEA

The DSHEA created new rules for the regulation of dietary supplements. Pub. L. No. 103-417, 108 Stat. 4325 (1994).¹ The Congressional findings behind these rules are not only extensive but an integral part of the legislation. Pub. L. No. 103-417 at § 2, 108 Stat. at 4325. They speak in broad terms about the importance of dietary supplements for “health promotion” but also “disease prevention.” Pub. L. No. 103-417 at § 2(2). They also speak to “a growing need for emphasis on the dissemination of information linking nutrition and long-term good health.” *Id.* at §2(7). They created an affirmative right for individuals through “legislative action” that “protects the right of access of consumers to safe dietary supplements.” *Id.* at §2(15)(A).

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¹ Exhibit 1 (DSHEA).

b. Dietary supplements are defined as foods.

The DSHEA defined dietary supplements as foods. *Id.* at § 3(a), 108 Stat. at 4327-28 (codified at 21 U.S.C. § 321(ff)) Dietary ingredients are broadly defined. Pub. L. No. 103-417 at § 3(a) (codified at 21 U.S.C. § 321(ff)(1)).

The DSHEA also defined the form of ingestion of the dietary supplement. It required that a dietary supplement be intended for ingestion in one of many forms including a powder form. Pub. L. No. 103-417 at §3(c)(1) Finally, a dietary supplement must be labeled as such. 21 U.S.C. § 321(ff)(2)(C).

The undercover agent received the dietary supplements, Allimax Pro (Allimed) and IAG Arabinogalactans, in powder form and they were clearly labeled as such. The FDA recognizes them as foods. *See* 21 C.F.R. § 172.610 and 21 C.F.R. § 184.1317. The document that was sent along with these products to the agent is irrelevant in determining whether these two products are foods. In determining whether a product is a “food,” under the DSHEA, “(t)he ordinary way in which an article is used...not any marketing claim on the part of the manufacturer or distributor as to specific physiological purpose of that use, should determine whether it is a food...” *United States v. Ten Cartons, Ener-B Nasal Gel*, 888 F. Supp. 381, 392 (E.D. New York, 1995) (citing *Am. Health Products Co., Inc. v. Hayes*, 574 F.Supp. 1498, 1505 (S.D. New York 1983).

c. The enforcement provisions of the DSHEA do not permit civil or criminal proceedings against Mr. Marschall because the government has not met the mandatory notice requirements.

The DSHEA also created enforcement provisions. Section 4 of the DSHEA preserves for dietary supplements those food adulteration standards that have been in the FDCA since 1906 and 1938. Pub. L. No. 103-417 at § 4, 108 Stat. at 4328 (codified at 21 U.S.C. § 342(f)(1)(D)). The enforcement provision provides two new adulteration standards to protect consumers from products that present a “significant or

unreasonable risk of illness or injury” in two distinct scenarios: (1) under the “conditions of use recommended or suggested in labeling,” Pub. L. No. 103-417 at § 4 (codified at 21 U.S.C. § 342(f)(1)(A)(i), and (2) where “no conditions of use are suggested or recommended in the labeling, under ordinary conditions of use.” Pub. L. No. 103-417 at § 4 (codified at 21 U.S.C. § 342(f)(1)(A)(ii)).

The DSHEA provides strict protocols before the FDA can initiate civil and criminal proceedings against an individual. When exercising this new authority in a civil proceeding, the FDA must first notify “the person against whom such proceeding would be initiated” and give that person the opportunity to present his or her views. Pub. L. No. 103-417 at § 4 (codified at 21 U.S.C. § 342(f)(2)). The notice must be given a least ten days prior to the reporting of any violation to a United States attorney. *Id.* This section is mandatory. The intent was to foreclose the FDA from exercising the discretion that allows the agency to forego such a hearing prior to reporting a criminal violation. *See generally United States v. Dotterweich*, 320 U.S. 277 (1943). The government has totally failed to adhere to these provisions because it did not provide Mr. Marschall with the mandatory notice to present his views, orally and in writing, at least ten days before reporting an alleged violation to a United States attorney.

In Mr. Marschall’s motion (Dkt. 45 at 6), he argued that “(t)he indictment has totally failed to articulate how shipping Allimax Pro (Allimed) and IAG Arabainoglactans fails to adhere to 21 U.S.C. § 343(r)(6)(A) or 21 U.S.C. § 343-2(a).” Dkt. 45 at 6 (Motion to Dismiss). The government has failed to address this argument. *Justice v. Rockwell Collins, Inc.*, 117 F. Supp. 3d 1119, 1134 (D. Or. 2015), *aff’d*, 720 F. App’x 365 (9th Cir. 2017) (“[I]f a party fails to counter an argument that the opposing party makes in a motion, the court may treat that argument as conceded”).

As explained above, the DSHEA provides strict protocols before the FDA can initiate civil and criminal proceedings against an individual who sells a dietary

1 supplement either as a wholesaler or a retailer. As the government's own cases
 2 demonstrate, it failed to adhere to them in this case because it never sent a notice or a
 3 letter to Mr. Marschall informing him that the claims he made about the Dynamic Duo
 4 turned the dietary supplements into drugs. *See Ten Cartons, Ener-B Nasal Gel*, 888 F.
 5 Supp. at 384-385 ("...the FDA notified Nature's Bounty that the FDA considered Ener-
 6 B to be a 'drug' under the FDCA, and that Ener-B was being marketed illegally
 7 because it had not received recognition or approval as a 'new drug' under the Act...
 8 Nature's Bounty responded to the FDA's letter, and on April 2, 1987 filed a Citizen
 9 Petition with the FDA..."); *See United States v. Lane Labs-USA, Inc.*, 427 F.3d 219,
 10 221 (3rd Cir. 2005) ("At a convention in 1997, the Food and Drug Administration
 11 ("FDA") first observed Labs distributing materials promoting BeneFin to treat cancer.
 12 The FDA informed Labs through letters and telephone conversations that such conduct
 13 violates the FDCA."); *see United States v. Cole*, 84 F. Supp.3d 1159, 1163 (D. Or.
 14 2015) ("On October 12, 2010, the FDA sent Defendants a letter warning them that their
 15 websites were making 'disease claims'—claims that their products could be used to
 16 diagnose, cure, mitigate, treat, or prevent a disease. By making such claims, the FDA
 17 warned, Maxam was selling unapproved new drugs."); *see United States v.*
 18 *Undetermined Quantities of Articles of Drug*, 145 F.Supp.2d 692, 697 (D. Md. 2001)
 19 (FDA provides "notice" announcing "its position that street drug alternatives constitute
 20 unapproved new drugs and misbranded drugs in violation of §§ 502 and 505 of the
 21 FDCA. 65 Fed.Reg. at 17.512," then seized "Defendants' products [because they] fall
 22 within the scope of the FDA's definition of street drug alternatives.").

23 The only case cited to by the government that involves a criminal prosecution is
 24 the misdemeanor unreported *Lebeau* case, which is truly an outlier in this type of
 25 litigation. *See United States v. Lebeau*, 2016 WL 447612 *1-2 (E.D. Wisconsin 2016)
 26 (describing convoluted litigation where defendant attempted to withdraw his guilty plea

1 after admitting that he had in fact distributed a new drug into interstate commerce that
 2 had not been approved by the FDA). The product in question (“Perfect Colon Formula
 3 #1”) was manufactured by defendant’s company Vital Health Products, Ltd. and sold
 4 on its website. The only items Mr. Marschall sold for human consumption were both
 5 manufactured and bottled by entirely separate entities.

6 Further, the *Lebeau* case is distinct from the instant case because Mr. Lebeau
 7 pleaded guilty to the sale of an unapproved new drug before the appeal. The Seventh
 8 Circuit relied on that concession in its decision:

9 Second, the court reasonably rejected LeBeau's belated assertion that he
 10 intended his product to treat only food “insensitivities,” not “diseases.”
 11 The assertion is contradicted by his concession to the government after it
 12 proffered its case at the plea colloquy. The proffer included the fact that
 13 LeBeau advertised that his product “reduces food allergies” and that this
 assertion was a “disease claim.” LeBeau conceded that the proffer was
 “substantially correct.”

14 *See also LeBeau*, 654 Fed. Appx. at 830.

15 **d. DSHEA’s Emergency Provisions**

16 The DSHEA gives the government emergency authority to promptly declare that
 17 a dietary supplement poses an “imminent hazard to public health or safety.” Pub. L. No.
 18 103-417 at § 4 (codified at 21 U.S.C. § 342(f)(1)(C)). Section 4 also clarifies that the
 19 government, in all cases bears, “the burden of proof on each element to show that a
 20 dietary supplement” poses a threat to public safety and the court must decide the issue
 21 “on a de novo” basis based on evidence presented in court. Pub. L. No. 103-417 at § 4
 22 (codified at 21 U.S.C. § 342(f)(1)).

23 The government has never claimed that the Dynamic Duo poses an imminent
 24 hazard to public health or safety. *See United States v. Nutri-cology*, 982 F.2d 394, 398
 25 (9th Cir. 1992) (“Because the government failed to demonstrate *any* harm to consumers
 26 and because Nutri-cology submitted extensive evidence to the contrary, the district

1 court did not abuse its discretion in finding that the government did not make the
 2 requisite showing of irreparable harm.”) (emphasis in original); *Compare also* Dkt. 44-
 3 5 (Preliminary Hearing Transcript) (Q: Do the substances need to be illegal or do they
 4 need to be harmful to be considered drugs? A: No.) *with Ten Cartons, Ener-B Nasal*
 5 *Gel*, 888 F. Supp. at 392:

6 The basic purpose of the DSHEA amendments to the FDCA is to ensure
 7 that the public has over-the-counter access to “dietary supplements,”
 8 which include vitamins, minerals, amino acids and herbs. In order to
 9 accomplish this, the DSHEA precludes the FDA from regulating “dietary
 10 supplements” as a “drug” under section 321(g)(1)(C) solely because of
 11 any statements on the products’ labelling regarding claims that the product
 12 can treat or affect a nutritional deficiency or disease, *unless the FDA*
 13 *determines that the product is not safe.*

14 *Id.* (emphasis added).

15 e. DSHEA’s Labeling and Statement Provisions

16 The DSHEA altered and limited how the FDA defined “labeling” because, prior
 17 to the DSHEA, the definition of “labeling” created inconsistent and arbitrary legal
 18 results. *Compare United States v. Detroit Vital Foods*, 218 F.Supp. 208 (E.D. Mich.
 19 1963) (FDA establishes literature is labeling) *with United States v. 24 Bottles ... Sterling*
 20 *Vinegar and Honey ...*, 338 F.2d 157 (2d Cir.1964) (FDA fails to establish literature is
 21 labeling). The DSHEA allows articles and publications to be used “in connection with
 22 the sale of a dietary supplement to consumers,” Pub. L. No. 103-417, § 5, 108 Stat. at
 23 4329 (codified at 21 U.S.C. § 403B(a)), provided that such information: is not false or
 24 misleading; does not promote a particular manufacturer or brand of dietary supplement;
 25 presents a balanced view of the available scientific information; if displayed in a store,
 26 is physically separate from the supplements; and does not have appended to it any
 information by sticker or other method. *Id.* (codified at 21 U.S.C. § 343-2(a)(1)-(5)).
 Moreover, in any action under this section, the government bears the burden of proof to

1 “establish that an article or other information is false or misleading.” *Id.* (codified at 21
2 U.S.C. § 343-2(c)). The section also preserves the right of retailers and wholesalers to
3 carry and sell “books or other publications as a part of their business” *Id.* (codified
4 at 21 U.S.C. § 343-2(b)).

5 The government has never claimed that Mr. Marschall’s statements on the
6 document that was sent with the Dynamic Duo or his statements on the phone are false
7 or misleading. To the contrary, the government claims that it need not establish that
8 “Mr. Marschall acted with the intent to defraud and mislead.” Dkt. 22 at 8
9 (Government’s Supplemental Preliminary Hearing Brief); *see also* Dkt. 38 (Indictment)
10 (no allegation of intent to defraud or mislead).

11 The DSHEA states that dietary supplement vendors can make statements
12 describing how consumption of the supplements affects structure or function in
13 humans, or their general well-being. Pub. L. No. 103-417 at § 6, 108 Stat. at 4329
14 (codified at 21 U.S.C. § 321(ff)). The right to make such statements applies to all
15 dietary ingredients as defined in the new dietary supplement definition. Pub. L. No.
16 103-417, § 6, 108 Stat. at 4329 (codified at 21 U.S.C. § 321(ff)). Such a statement may:
17 claim a benefit related to a classical nutrient deficiency disease if it discloses the
18 prevalence of such disease in the United States; describe the role of a nutrient or dietary
19 ingredient intended to affect the structure or function in humans; characterize the
20 documented mechanism by which a nutrient or dietary ingredient acts to maintain such
21 structure or function, or; describe general well-being from consumption of a nutrient or
22 dietary ingredient. *Id.* (codified at 21 U.S.C. § 343(r)(6)(A)). Mr. Marschall’s
23 statements regarding the consumption of the Dynamic Duo, along with any allegation
24 that he is making statements regarding how the Dynamic Duo affects functions in
25 humans or their general well-being, is protected under this provision.
26

1 This section does not allow a manufacturer to make a drug claim for a product,
 2 i.e., a statement claiming to “diagnose, mitigate, treat, cure, or prevent a specific
 3 disease or class of diseases.” *Id.* (codified at 21 U.S.C. § 343(r)(6)); *see also* 21 U.S.C.
 4 § 321(g)(1)(B). Conversely, a dietary supplement may not be deemed a drug solely
 5 because it includes such a statement. Pub. L. No. 103-417 at § 10, 108 Stat. at 4332
 6 (amending 21 U.S.C. § 321(g)(1)). To emphasize that statements of nutritional support
 7 are not drug claims, the Act requires that any statement of nutritional support made
 8 under this section contain (prominently and in boldface type) the following disclaimer:
 9 “This statement has not been evaluated by the Food and Drug Administration. This
 10 product is not intended to diagnose, treat, cure, or prevent any disease.” Pub. L. No.
 11 103-417 at § 6, 108 Stat. at 4329 (codified at 21 U.S.C. § 343(r)(6)(C)). The
 12 government has never claimed that Mr. Marschall did not provide adequate disclaimers.
 13 Even if the FDA believes that a drug claim is made about the Dynamic Duo,
 14 notwithstanding a disclaimer, criminal prosecution cannot be initiated unless the FDA
 15 complies with the enforcement procedures under DSHEA. *See* 21 U.S.C. § 342(f)(2).
 16 This section, again, is mandatory. If the FDA believes that there are emergency
 17 circumstances, it can initiate proceedings claiming that the product “pose[s] an
 18 imminent hazard to public health or safety.” *See* 21 U.S.C. § 342(f)(1)(C). No such
 19 declaration has ever been made or implied in the multiple proceedings that have taken
 20 place in this case or in government filings.

21 The FDA is not claiming that Mr. Marschall introduced a new drug because, as
 22 Mr. Marschall has established (and the government has never disputed), Allimax Pro
 23 (Allimed) and IAG Arabinogalactans are both foods that have been deemed safe for
 24 human consumption by the FDA. *See* 21 C.F.R. § 172.610 and 21 C.F.R. § 184.1317.
 25 The FDA has published a study proclaiming the health benefits of garlic and its
 26 derivatives, i.e., Allimax Pro (Allimed). The FDA makes available, on its own website,

1 a study prepared for the agency in 1973 describing the health benefits associated with
2 the consumption of garlic and its extracts. Evaluation of the Health Aspects of Garlic
3 and Oil of Garlic as Food Ingredients, February 1973, Bureau of Foods, FDA.

4 Available at

5 <https://ntrl.ntis.gov/NTRL/dashboard/searchResults.xhtml?searchQuery=PB223838>;

6 *See King v. Cty. of L.A.*, 885 F.3d 548, 555 (9th Cir. 2018) (“(W)e take judicial notice
7 of the undisputed and publicly available information displayed on government
8 websites.”). In that report, the following claims were made with respect to respiratory
9 and blood based illnesses:

10 In an investigation of the effects of garlic powder in controlling infectious
11 chronic lung congestion. It was noted that Wistar rats on a 2.5 percent
12 dehydrated garlic diet, equivalent to 10 percent fresh garlic, showed a
13 slight lowering of the hemoglobin concentration and red cell count (23).
14 On a diet of 5 percent dehydrated garlic, equivalent to 20 percent fresh
15 garlic, the second generation rats were sterile.

16 A decrease in blood pressure was observed both in the first five minutes
17 and in the following hour when rabbits were given 0.015 mg per kg of
18 "garlic juice" (24). The pressure gradually returned to its original level
19 after two hours. No side effects were noted. When garlic juice, obtained
20 by pressing, was administered orally to guinea pigs at a level of 1 cc per
21 kg body weight daily, the blood calcium level increased to a peak
22 between 14 and 28 days, but became normal again after 2 months of the
23 same diet (25). A comparable reaction has also been reported in dogs
24 (26)... Inhalation of garlic juice diluted in physiological salt solution 0 r
25 with 0.25 percent of a 1:3 procaine solution by 34 patients with chronic
26 pneumonia complicated by candidiasis of the lungs brought out an
improvement in 26 of the patients (31). There was a decrease or
disappearance of the candida fungus from the sputum of 16 patients.

1 *Id.* at 5-6 (attached as Exhibit 3). That study, along with all the studies that speak to the
2 health benefits of both these products, have never been disputed by the government.
3 *See* Dkt. 19-3 (Published Studies).²

4 It is important to emphasize that a representative of the FDA testified, under
5 oath, that the agency would prosecute a private citizen for sending garlic to a family
6 member to cure a cold. Dkt. 44-5 at 54 (Prelim. Hearing Transcript). Facts, such as
7 that, exemplify how dangerous the government's interpretation of the statute is in this
8 case.

9 DATED this 9th day of October 2020.

10 Respectfully submitted,

11 *s/ Mohammad Hamoudi*

12 *s/ Gregory Geist*

13 Assistant Federal Public Defenders

14 Attorneys for Richard Marschall

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25
26 ² These same studies have been provided to the Court in Mr. Marschall's reply motion to
dismiss the indictment on First Amendment grounds.